

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P599010

Luminaire Tested: **IFLD-M-SA4C-750-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599010  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4C-750-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (64) 5000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

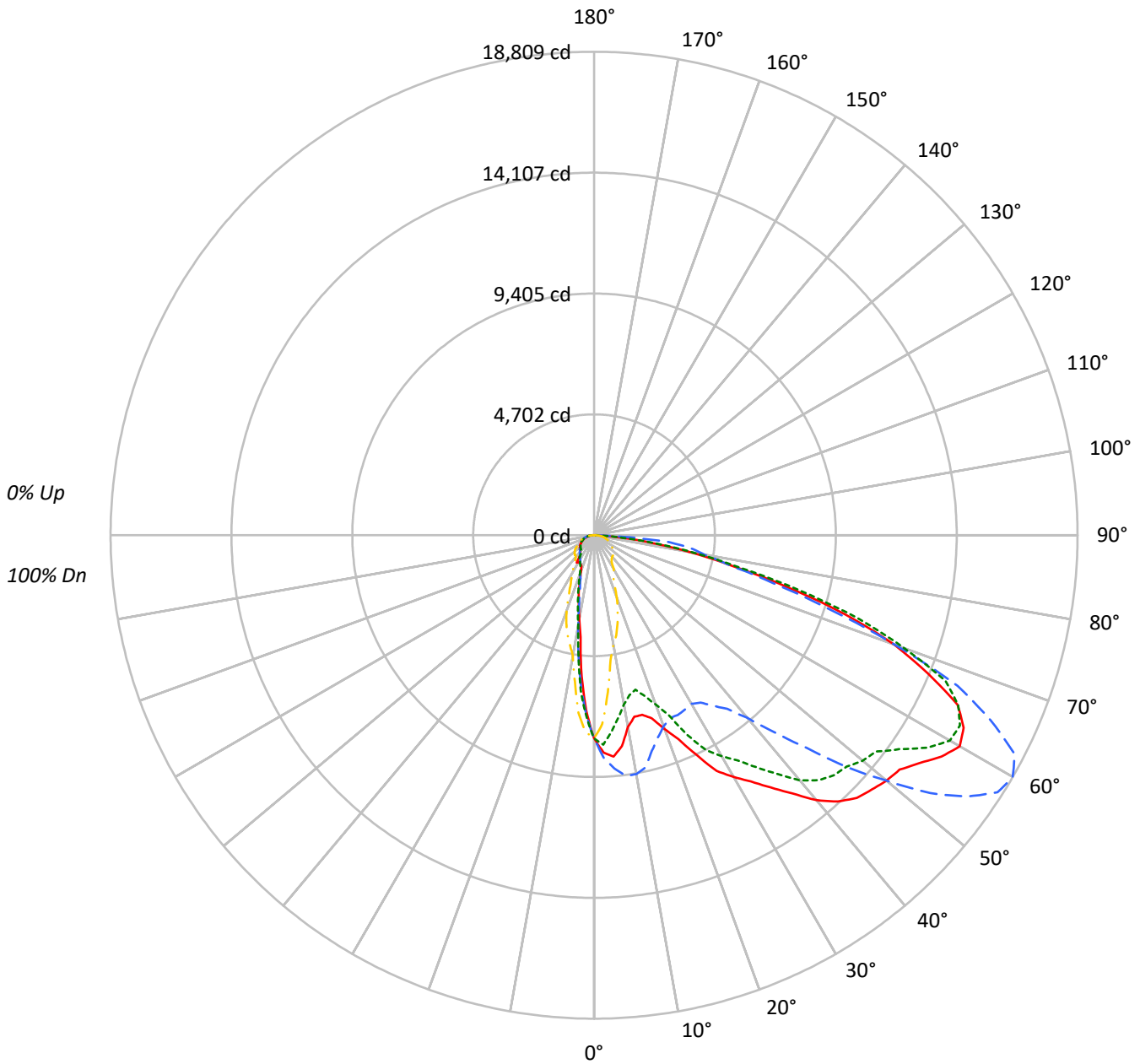
Lumens per Lamp: N/A  
 Luminaire Lumens: 24737.9 lumens  
 Efficiency: N/A  
 Efficacy: 113.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 218.1  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ··· 90°-270°    - · 135°-315°

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77				77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60				60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47				47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38				38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31				31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26				26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22				22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19				19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17				17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15				15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	85047	85047	85047	85047
5°	93435	83001	59524	64978
10°	82761	73046	36103	38741
15°	80587	69338	25558	26536
20°	91889	80198	16718	18479
25°	111955	101660	14598	15119
30°	134894	123300	15140	14049
35°	157321	144776	12545	11825
40°	189045	174859	11719	11102
45°	220003	200959	11860	11026
50°	248633	228419	12129	11394
55°	289960	272250	12562	11945
60°	353655	343970	12521	12521
65°	397448	398006	12857	13415
70°	390606	404419	13470	13816
75°	322207	343659	14148	15059
80°	232637	244204	15645	16327
85°	128751	138236	17624	21687

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	613.8	2.5
10°-20°	1296.0	5.2
20°-30°	1896.1	7.7
30°-40°	2671.6	10.8
40°-50°	3671.5	14.8
50°-60°	5003.8	20.2
60°-70°	5476.5	22.1
70°-80°	3161.8	12.8
80°-90°	946.8	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
<b>0°-30°</b>	<b>3805.9</b>	<b>15.4</b>
<b>0°-40°</b>	<b>6477.5</b>	<b>26.2</b>
<b>0°-60°</b>	<b>15152.8</b>	<b>61.3</b>
<b>0°-90°</b>	<b>24737.9</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>24737.9</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7901	7901	7901	7901	7901	
5°	8647	7682	5509	6014	8647	785
15°	7232	6222	2294	2381	7232	2113
25°	9426	8560	1229	1273	9426	4414
35°	11972	11018	955	900	11972	7592
45°	14452	13202	779	724	14452	11108
55°	15451	14507	669	636	15451	13941
65°	15605	15627	505	527	15605	14935
75°	7748	8263	340	362	7748	8322
85°	1042	1119	143	176	1042	1446
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1
2.5°	8460.8	8427.9	8460.8	8581.5	8614.4	8669.3	8669.3	8592.5	8449.8	8384.0	8274.3
5°	8647.4	8592.5	8866.8	9119.2	9316.8	9294.8	9108.3	8954.6	8669.3	8241.3	7835.3
7.5°	8274.3	8329.1	8526.7	9185.1	9646.0	9733.8	9437.5	9130.2	8515.7	7923.1	7374.4
10°	7571.9	7648.8	8076.7	8757.1	9481.4	9624.0	9437.5	9064.4	8329.1	7593.9	6957.4
12.5°	7231.7	7407.3	7659.7	8482.8	8998.5	9338.7	9250.9	9009.5	8186.5	7319.5	6705.0
15°	7231.7	7275.6	7648.8	8340.1	8636.4	8647.4	8680.3	8724.2	8230.4	7440.2	6617.2
17.5°	7462.2	7582.9	7901.1	8329.1	8384.0	8252.3	8252.3	8438.9	8318.2	7780.4	6935.5
20°	8021.9	7978.0	8395.0	8570.6	8274.3	7945.0	7912.1	8230.4	8416.9	8142.6	7517.1
22.5°	8581.5	8779.1	9119.2	8724.2	8175.5	7736.5	7692.6	8087.7	8713.2	8768.1	8186.5
25°	9426.5	9624.0	9799.6	9316.8	8164.5	7681.7	7714.6	8021.9	9075.3	9657.0	9305.8
27.5°	10337.3	10458.0	10710.4	9964.2	8427.9	7615.8	7648.8	8109.7	9415.5	10238.6	10183.7
30°	10853.1	10984.8	10929.9	10084.9	8603.5	7659.7	7571.9	8230.4	9229.0	10238.6	10754.3
32.5°	11357.9	11281.1	11248.2	10282.5	8822.9	7934.1	7714.6	8482.8	9338.7	10403.2	11489.6
35°	11972.4	11862.7	11774.9	10666.6	9185.1	8197.4	8098.7	8812.0	9580.1	10743.4	12082.2
37.5°	12652.8	12652.8	12224.8	10951.9	9613.1	8625.4	8515.7	9283.8	9964.2	10951.9	12894.2
40°	13453.9	13486.8	12729.6	11336.0	10095.9	9305.8	9272.9	9898.4	10337.3	11259.1	13673.4
42.5°	14046.5	14068.4	13168.6	11478.6	10655.6	10249.5	10392.2	10886.0	10765.3	11533.5	13728.2
45°	14452.5	14342.8	13475.8	11884.6	11270.1	11665.2	11709.1	11851.7	11325.0	11698.1	13947.7
47.5°	14650.0	14628.1	13607.5	12356.5	12565.0	13102.7	13355.1	13157.6	11840.7	11522.5	13947.7
50°	14847.6	14661.0	13728.2	13004.0	13827.0	14913.4	14858.5	14496.4	12554.0	11742.0	13739.2
52.5°	14979.3	14814.7	13969.7	13585.6	15034.1	16263.2	16482.7	15813.3	13388.1	12148.0	13838.0
55°	15451.1	15319.4	14693.9	14375.7	16427.8	17689.8	17722.7	16789.9	14266.0	12817.4	14485.4
57.5°	16021.8	16098.6	15692.6	15495.0	17492.3	18732.3	18611.6	17514.2	15012.2	13629.5	15231.7
60°	16427.8	16548.5	16449.8	16471.7	18019.0	19083.5	18809.1	17964.1	15560.9	14244.0	16142.5
62.5°	16208.3	16449.8	16855.8	16768.0	18041.0	18831.1	18447.0	17371.6	15626.7	15045.1	16833.8
65°	15604.8	15626.7	16416.8	16899.7	17053.3	17525.2	17020.4	16131.5	14946.3	15538.9	16735.1
67.5°	14057.5	14233.0	14946.3	15890.1	15242.6	15352.4	15308.5	14024.5	13914.8	15198.7	15977.9
70°	12411.4	12532.1	13311.2	14419.6	12872.3	12356.5	12455.3	11500.6	11950.5	14145.3	14452.5
72.5°	10260.5	10337.3	11226.2	12202.9	10326.4	9404.6	9635.0	8855.9	9492.4	12378.5	12191.9
75°	7747.5	7890.2	8581.5	9733.8	7604.9	7012.3	7242.7	6924.5	7517.1	10194.7	9459.4
77.5°	5508.9	5399.1	6255.1	7615.8	5717.4	5366.2	5388.1	5443.0	6079.5	8592.5	6792.8
80°	3753.0	3786.0	4554.1	5585.7	4488.3	4433.4	4378.6	4817.5	5102.8	6803.8	4938.2
82.5°	2227.7	2227.7	3072.7	3972.5	3544.5	3994.5	3742.1	4137.1	3994.5	5004.1	3237.3
85°	1042.5	1042.5	1580.2	2864.2	2743.5	3292.1	2798.3	3127.5	2952.0	3489.7	1459.5
87.5°	175.6	153.6	318.2	1404.6	1130.3	1283.9	504.8	1668.0	1854.6	2436.2	362.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1
2.5°	8153.5	8076.7	7923.1	7725.6	7561.0	7352.5	7286.6	7144.0	6946.4	6924.5	6836.7
5°	7681.7	7418.3	7089.1	6683.1	6408.7	6123.4	5882.0	5739.3	5574.7	5552.8	5508.9
7.5°	7165.9	6836.7	6288.0	5805.1	5333.3	4883.3	4663.9	4389.5	4203.0	4060.3	3994.5
10°	6683.1	6375.8	5695.4	5037.0	4620.0	4323.7	4060.3	3775.0	3544.5	3369.0	3303.1
12.5°	6364.8	6002.7	5267.4	4641.9	4334.7	3994.5	3698.2	3390.9	3094.6	2864.2	2743.5
15°	6222.2	5882.0	5135.7	4444.4	3994.5	3522.6	3182.4	2875.1	2513.0	2348.4	2293.5
17.5°	6562.3	6057.5	5091.9	4213.9	3577.5	3039.7	2622.7	2293.5	2030.2	1865.5	1799.7
20°	7001.3	6375.8	5168.7	3939.6	3182.4	2578.8	2117.9	1766.8	1591.2	1470.5	1459.5
22.5°	7561.0	6847.7	5289.4	3742.1	2743.5	2074.1	1657.0	1448.5	1327.8	1316.9	1294.9
25°	8559.6	7703.6	5486.9	3478.7	2392.3	1711.9	1415.6	1294.9	1240.0	1207.1	1229.1
27.5°	9415.5	8263.3	5629.6	3314.1	2249.6	1613.2	1371.7	1240.0	1185.2	1174.2	1185.2
30°	9920.3	8779.1	5585.7	3006.8	1964.3	1536.3	1459.5	1415.6	1305.9	1218.1	1218.1
32.5°	10381.2	9108.3	5574.7	2732.5	1679.0	1283.9	1218.1	1185.2	1251.0	1294.9	1262.0
35°	11017.7	9624.0	5541.8	2578.8	1558.3	1185.2	1075.4	987.6	943.7	921.8	954.7
37.5°	11698.1	9975.2	5454.0	2556.9	1492.4	1130.3	1042.5	954.7	910.8	888.9	877.9
40°	12444.3	10348.3	5355.2	2447.2	1459.5	1097.4	1009.6	932.8	877.9	845.0	834.0
42.5°	12927.2	10644.6	5256.5	2392.3	1393.7	1075.4	976.7	910.8	856.0	812.1	812.1
45°	13201.5	10995.8	5157.7	2337.4	1316.9	1086.4	976.7	888.9	823.0	801.1	779.1
47.5°	13322.2	11259.1	5124.8	2249.6	1251.0	1042.5	954.7	866.9	801.1	757.2	746.2
50°	13640.5	11818.8	5245.5	2183.8	1174.2	998.6	1009.6	856.0	790.1	735.2	724.3
52.5°	13827.0	12268.7	5508.9	2085.0	1119.3	943.7	987.6	834.0	757.2	702.3	702.3
55°	14507.4	13014.9	5794.2	2008.2	1053.5	866.9	910.8	790.1	702.3	669.4	669.4
57.5°	15374.3	13805.1	6035.6	1975.3	1009.6	812.1	812.1	768.2	669.4	625.5	614.5
60°	15977.9	14452.5	6178.3	1953.3	965.7	757.2	724.3	768.2	636.5	592.6	581.6
62.5°	16043.7	14079.4	6035.6	1942.4	954.7	702.3	658.4	735.2	603.6	559.7	537.7
65°	15626.7	13322.2	5640.5	1898.5	943.7	647.5	614.5	636.5	559.7	526.7	504.8
67.5°	14792.7	12093.1	5069.9	1876.5	932.8	603.6	559.7	548.7	515.8	482.8	460.9
70°	12850.3	10491.0	4400.5	1777.8	910.8	570.6	504.8	493.8	460.9	439.0	428.0
72.5°	10787.3	8581.5	3632.3	1646.1	866.9	515.8	460.9	439.0	428.0	395.1	384.1
75°	8263.3	6606.2	2908.1	1459.5	757.2	460.9	406.0	384.1	373.1	351.2	340.2
77.5°	5805.1	4916.3	2150.9	1185.2	636.5	417.0	362.1	340.2	329.2	296.3	296.3
80°	3939.6	3445.8	1459.5	823.0	493.8	340.2	318.2	296.3	274.3	252.4	252.4
82.5°	2447.2	2414.2	1053.5	537.7	362.1	274.3	252.4	252.4	219.5	197.5	197.5
85°	1119.3	1481.5	735.2	373.1	274.3	208.5	208.5	197.5	175.6	142.7	142.7
87.5°	351.2	493.8	384.1	164.6	153.6	120.7	120.7	109.7	109.7	87.8	87.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1
2.5°	6924.5	6913.5	6913.5	6869.6	6979.3	6979.3	7045.2	6990.3	7023.2	7034.2	7122.0
5°	5497.9	5585.7	5651.5	5783.2	5860.0	5892.9	5892.9	5980.7	5947.8	6013.7	6145.3
7.5°	4027.4	4137.1	4334.7	4499.3	4631.0	4674.8	4663.9	4685.8	4718.7	4641.9	4663.9
10°	3259.2	3182.4	3248.3	3401.9	3522.6	3665.3	3555.5	3544.5	3577.5	3544.5	3610.4
12.5°	2721.5	2633.7	2578.8	2578.8	2666.6	2732.5	2699.6	2754.4	2875.1	2908.1	2984.9
15°	2205.7	2128.9	2085.0	2030.2	2117.9	2139.9	2172.8	2249.6	2337.4	2381.3	2469.1
17.5°	1766.8	1766.8	1766.8	1722.9	1755.8	1788.7	1799.7	1898.5	1909.4	1953.3	1986.3
20°	1448.5	1481.5	1536.3	1558.3	1591.2	1591.2	1569.3	1624.1	1580.2	1613.2	1635.1
22.5°	1305.9	1349.8	1371.7	1382.7	1426.6	1437.6	1382.7	1393.7	1404.6	1371.7	1382.7
25°	1229.1	1251.0	1229.1	1240.0	1251.0	1229.1	1240.0	1262.0	1251.0	1273.0	1262.0
27.5°	1196.1	1174.2	1163.2	1152.3	1152.3	1130.3	1141.3	1141.3	1163.2	1174.2	1174.2
30°	1196.1	1163.2	1119.3	1086.4	1086.4	1053.5	1075.4	1097.4	1108.4	1130.3	1130.3
32.5°	1229.1	1163.2	1086.4	1053.5	1020.6	998.6	1020.6	1053.5	1097.4	1108.4	1119.3
35°	976.7	1009.6	998.6	954.7	943.7	943.7	932.8	932.8	899.9	899.9	888.9
37.5°	877.9	866.9	888.9	899.9	910.8	877.9	877.9	834.0	823.0	834.0	834.0
40°	823.0	823.0	823.0	856.0	866.9	845.0	812.1	790.1	790.1	790.1	801.1
42.5°	801.1	779.1	768.2	790.1	823.0	801.1	768.2	757.2	757.2	768.2	768.2
45°	768.2	757.2	746.2	735.2	779.1	746.2	735.2	724.3	724.3	724.3	735.2
47.5°	735.2	724.3	702.3	702.3	713.3	702.3	691.4	691.4	691.4	713.3	713.3
50°	713.3	702.3	680.4	680.4	680.4	680.4	669.4	669.4	669.4	680.4	691.4
52.5°	680.4	669.4	658.4	647.5	647.5	647.5	647.5	647.5	647.5	658.4	669.4
55°	647.5	636.5	625.5	625.5	636.5	636.5	625.5	636.5	625.5	636.5	647.5
57.5°	614.5	603.6	592.6	603.6	614.5	603.6	603.6	603.6	603.6	603.6	614.5
60°	570.6	570.6	570.6	570.6	592.6	592.6	592.6	592.6	570.6	581.6	592.6
62.5°	548.7	537.7	537.7	548.7	559.7	559.7	570.6	559.7	548.7	559.7	559.7
65°	504.8	504.8	504.8	515.8	515.8	526.7	526.7	526.7	515.8	526.7	526.7
67.5°	471.9	471.9	471.9	471.9	493.8	493.8	493.8	493.8	482.8	482.8	493.8
70°	417.0	428.0	417.0	439.0	460.9	449.9	460.9	460.9	449.9	439.0	460.9
72.5°	384.1	384.1	384.1	384.1	417.0	417.0	417.0	428.0	417.0	406.0	417.0
75°	340.2	340.2	340.2	351.2	373.1	373.1	373.1	373.1	373.1	362.1	362.1
77.5°	296.3	307.3	296.3	307.3	329.2	318.2	329.2	340.2	329.2	318.2	318.2
80°	252.4	252.4	252.4	263.4	274.3	274.3	274.3	285.3	274.3	263.4	263.4
82.5°	197.5	197.5	208.5	208.5	219.5	219.5	219.5	230.5	219.5	208.5	208.5
85°	153.6	153.6	153.6	164.6	164.6	175.6	175.6	186.6	186.6	175.6	175.6
87.5°	98.8	87.8	98.8	98.8	109.7	109.7	98.8	87.8	98.8	87.8	76.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P599010  
 CATALOG NUMBER: IFLD-M-SA4C-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1	7901.1
2.5°	7209.8	7407.3	7550.0	7648.8	7791.4	8065.8	8175.5	8373.0	8427.9	8460.8
5°	6200.2	6408.7	6716.0	6935.5	7187.9	7703.6	8098.7	8395.0	8526.7	8647.4
7.5°	4861.4	5135.7	5454.0	5739.3	6156.3	6792.8	7308.6	7923.1	8153.5	8274.3
10°	3796.9	4049.3	4400.5	4751.7	5333.3	5871.0	6606.2	7165.9	7484.1	7571.9
12.5°	3204.4	3500.6	3917.7	4345.6	4707.8	5322.3	6068.5	6880.6	7176.9	7231.7
15°	2721.5	3127.5	3555.5	3994.5	4411.5	4949.2	5750.3	6737.9	7176.9	7231.7
17.5°	2249.6	2611.8	3116.6	3588.4	4071.3	4806.5	5805.1	6858.6	7297.6	7462.2
20°	1788.7	2139.9	2535.0	3127.5	3786.0	4565.1	5925.9	7264.7	7846.3	8021.9
22.5°	1481.5	1635.1	2019.2	2589.8	3369.0	4400.5	6046.6	7901.1	8515.7	8581.5
25°	1294.9	1404.6	1646.1	2183.8	3039.7	4290.8	6331.9	8636.4	9426.5	9426.5
27.5°	1207.1	1251.0	1415.6	1898.5	2809.3	4192.0	6617.2	9448.5	10183.7	10337.3
30°	1185.2	1294.9	1382.7	1690.0	2556.9	3917.7	6880.6	10084.9	10842.1	10853.1
32.5°	1163.2	1141.3	1207.1	1470.5	2249.6	3632.3	7100.1	10732.4	11325.0	11357.9
35°	910.8	954.7	1064.5	1294.9	2019.2	3423.8	7209.8	11083.6	11939.5	11972.4
37.5°	856.0	910.8	998.6	1196.1	1865.5	3248.3	7242.7	11763.9	12587.0	12652.8
40°	834.0	877.9	943.7	1108.4	1744.8	3028.8	7308.6	12466.3	13541.7	13453.9
42.5°	790.1	845.0	910.8	1064.5	1646.1	2864.2	7319.5	12850.3	14046.5	14046.5
45°	779.1	812.1	888.9	1064.5	1536.3	2721.5	7144.0	13234.4	14628.1	14452.5
47.5°	735.2	801.1	866.9	1031.5	1404.6	2578.8	6935.5	13432.0	14704.9	14650.0
50°	724.3	790.1	899.9	976.7	1327.8	2513.0	6891.6	13925.8	14858.5	14847.6
52.5°	702.3	768.2	932.8	932.8	1229.1	2425.2	7100.1	14145.3	14891.5	14979.3
55°	669.4	768.2	866.9	856.0	1141.3	2315.5	7330.5	14715.9	15473.1	15451.1
57.5°	647.5	746.2	823.0	779.1	1042.5	2238.7	7670.7	15264.6	16175.4	16021.8
60°	614.5	746.2	735.2	724.3	965.7	2172.8	7956.0	15374.3	16329.0	16427.8
62.5°	592.6	779.1	647.5	669.4	899.9	2139.9	7835.3	14551.3	16120.5	16208.3
65°	570.6	669.4	592.6	614.5	877.9	2074.1	7363.4	13563.6	15220.7	15604.8
67.5°	526.7	548.7	548.7	570.6	856.0	1920.4	6397.7	11785.9	13849.0	14057.5
70°	482.8	493.8	493.8	526.7	834.0	1744.8	5278.4	10194.7	12016.3	12411.4
72.5°	439.0	439.0	439.0	482.8	768.2	1602.2	4345.6	7835.3	9986.2	10260.5
75°	384.1	384.1	384.1	428.0	691.4	1459.5	3423.8	5827.1	7352.5	7747.5
77.5°	340.2	340.2	329.2	384.1	603.6	1185.2	2469.1	4115.2	5179.6	5508.9
80°	285.3	274.3	274.3	307.3	471.9	856.0	1591.2	2908.1	3610.4	3753.0
82.5°	230.5	219.5	208.5	230.5	340.2	537.7	987.6	2030.2	2315.5	2227.7
85°	219.5	230.5	186.6	175.6	241.4	351.2	625.5	1251.0	1042.5	1042.5
87.5°	87.8	76.8	76.8	65.8	120.7	131.7	274.3	230.5	175.6	175.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)